Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6023403").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 06:54
L2	1	("6353236").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 06:54
L3	15	("3885243" | "4405933" | "5051785" | "5083185" | "5164874" | "5304844" | "5334853" | "5449925" | "5483086" | "5661644" | "5705853" | "5815359" | "5831287" | "5914499" | "6087682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:00
L4	141895	(substrate layer ceramic) near3 (via hole heat near2 sink)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:24
L5	428	4 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:04
L6	45	5 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:04
L7	55040	(conducting conduct) near3 heat	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:03
L8	828	7 near3 (via hole)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:23
L9	63	(substrate layer ceramic) near3 8	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:57
L10	1	9 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:04
L11	196	7 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L12	26	11 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 10:49
L13	7550	(substrate layer ceramic) near3 (conducting near2 heat heat near2 sink)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:19
L14	74	13 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:19
L15	222	7 near3 hole	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:23
L16	4	15 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L17	144	(substrate layer ceramic) and 15	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L18	2	overcurrent and 15	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:28
L19	1	("6353236").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 07:28
L20	15	("3885243" | "4405933" | "5051785" | "5083185" | "5164874" | "5304844" | "5334853" | "5449925" | "5483086" | "5661644" | "5705853" | "5815359" | "5831287" | "5914499" | "6087682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:29

L21	75065	(substrate layer ceramic) near3 hole	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L22	149	21 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L23	16	22 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L24	4	("4242567" | "4786888" | "4912450" | "5218336").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:40
L25	7	("3493913" | "3634840" | "4395623" | "4431983" | "4445026" | "4550301").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:44
L26	9	("4912450").URPN.	USPAT	OR	ON	2005/03/30 07:45
L27	22	("3708720" | "4031497" | "4096464" | "4626818" | "4654510" | "4728779" | "4780598" | "4788519" | "4792781" | "4808965" | "4903295" | "4912450" | "4924205" | "4959505" | "4967176" | "4992771" | "5208723" | "5210516" | "5229739" | "5239163" | "5534843" | "5663702").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:46
L28	22	("3287684" | "3861029" | "4034207" | "4037082" | "4051550" | "4099216" | "4162395" | "4174511" | "4177446" | "4177785" | "4237411" | "4247441" | "4388607" | "4413174" | "4413301" | "4426339" | "4445026" | "4467310" | "4481498" | "4542365" | "4549161").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:51
L29	60	("4780598").URPN.	USPAT	OR	ON	2005/03/30 07:58
L30	1	("20040109275").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 07:58
L31	2236	conducting near2 hole	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:02
L32	377	31 and bond	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:57
L33	8	32 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:02
L34	570	conducting near2 heat near5 (aperture slot hole)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:03
L35	56	34 and bond	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:09
L36	1	("6854176").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:21
L37	1	("6023403").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:35
L38	1	("5313184").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:44
L39	1	("20040109275").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:56
L40	45910	(suppressor surge spike over) near2 voltage	US-PGPUB; USPAT	OR	ON	2005/03/30 08:57
L41	497	40 and PTC	US-PGPUB; USPAT	OR	ON	2005/03/30 08:57
L42	248	(substrate layer ceramic) and 41	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04

L43	30	42 and bond	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:57
L44	28	("3617816" | "4237441" | "4238812" | "4255698" | "4272471" | "4304987" | "4315237" | "4317027" | "4330703" | "4388607" | "4426633" | "4475138" | "4514620" | "4534889" | "4545926" | "4560498" | "4591700" | "4654511" | "4689475" | "4724417" | "4774024" | "4780598" | "4800253" | "4845838" | "4904850" | "4907340" | "4924074" | "4954696").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:00
L45	790	(substrate layer ceramic) near4 40	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:03
L46	826	(substrate layer ceramic die) near4 40	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:03
L47	941	(substrate layer ceramic) near4 PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04
L48	3	46 and 47	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04
L49	2060	(substrate layer ceramic) same PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04
L50	3	46 and 49	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:05
L51	3	46 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:05
L52	70	47 and 40	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:06
L53	34	("1364080" | "2712591" | "3405381" | "3452314" | "3654580" | "3673538" | "3719796" | "3805022" | "3813631" | "3824521" | "3916264" | "3996447" | "4024427" | "4064477" | "4152689" | "4317027" | "4387291" | "4420739" | "4427965" | "4568907" | "4698614" | "4816958" | "4937696" | "5064997" | "5208576" | "5353005" | "5379022" | "5436609" | "5644461" | "5796568"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:13
L54	1842	(361/103,104,106).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/30 10:49
L55	253	40 and 54	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L56	48	55 and PTC	US-PGPUB; USPAT	OR	ON	2005/03/30 10:50
L57	1997	(361/56).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/30 10:50
L58	796	40 and 57	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L59	1	47 and 58	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L60	2393	(361/93.1,91.1,111).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/30 10:51
L61	938	40 and 60	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L62	4	47 and 61	US-PGPUB; USPAT	OR	ON	2005/03/30 10:52
S1	68	overcurrent and PTC near2 layer	US-PGPUB; USPAT	OR	ON	2005/03/29 12:31

S2	1839	overcurrent and overvoltage	US-PGPUB; USPAT	OR	ON	2005/03/29 12:31
S3	315	S2 and substrate	US-PGPUB; USPAT	OR	ON	2005/03/29 12:31
S4	37	S3 and PTC	US-PGPUB; USPAT	OR	ON	2005/03/29 12:32
S5	147	("2273704" | "2978665" | "3241026" | "3243753" | "3351882" | "3591526" | "3685026" | "3685028" | "3823217" | "3828332" | "3858144" | "4045712" | "4124747" | "4169816" | "4177376" | "4177446" | "4188276" | "4223209" | "4237441" | "4238812" | "4252692" | "4259657" | "4272471" | "4304987" | "4318220" | "4327351" | "4329726" | "4330703" | "4330704" | "4331948" | "4359414" | "4367168" | "4383942" | "4388607" | "4413301" | "4426546" | "4426633" | "4445026" | "4475138" | "4534889" | "4548740" | "4560498" | "4617609" | "4685025" | "4689475" | "4724417" | "4726991" | "4732701" | "4749623" | "4774024" | "4775778" | "4800253" | "4801785" | "4857880" | "4876439" | "4878038" | "4880577" | "4882466" | "4884163" | "4907340" | "4910389" | "4924074" | "4951382" | "4955267" | "4959632" | "4966729" | "4967176" | "4971726" | "4973934" | "4980541" | "4983944" | "5068061" | "5089801" | "5099380" | "5106538" | "5106540" | "5136365" | "5140297" | "5142263" | "5143649" | "5171774" | "5174924" | "5183698" | "5189092" | "5190697" | "5195013" | "5212466" | "5214091" | "5227946" | "5231371" | "5241741" | "5246388" | "5247276" | "5247277" | "5248517" | "5250226" | "5250228" | "5257003" | "5262754" | "5268665" | "5278535" | "5280263" | "5281845" | "5289155" | "5294374" | "5303115" | "5313184" | "5337038" | "5340641" | "5351026" | "5351390" | "5358793" | "5374379" | "5382384" | "5382938" | "5393597" | "5399295" | "5412865" | "5488348" | "5493266" | "5500996" | "5543705" | "5554679" | "5610436" | "5669381"). PN. OR ("5747147" | "5777541" | "5781395" | "5801612" | "5807509" | "5817423" | "5818676" | "5831510" | "5849129" | "5852397" | "5864281" | "5874885" | "6023403" | "6191928" | "6310752").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:39
S6	273	PTC and varistor	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:39
S7	48	S2 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:39
S8	10	("3795048" | "3805022" | "4152743" | "4271446" | "4347539" | "4534889" | "4583146" | "4780598" | "5008646" | "5064997"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:45
S9	36	("5313184").URPN.	USPAT	OR	ON	2005/03/29 12:47
S10	335	varistor near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:02
S11	531	PTC near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:02
S12	5	S10 and S11	USPAT	OR	ON	2005/03/29 12:48
S13	30	("0928398" | "0934704" | "1197693" | "2429088" | "4188651" | "4212045" | "4271045" | "4311520" | "4321089" | "4324582" | "4364021" | "4505787" | "4514321" | "4733018" | "4747014" | "4987515" | "5039452" | "5062891" | "5091820" | "5131941" | "5321223" | "5407473" | "5410135" | "5443560" | "5471721" | "5480834").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:58
S14	91868	(excess exceed$2 over spike surge) near2 current	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:58
S15	97794	(excess exceed$2 over spike surge) near2 voltage	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:59
S16	349	S14 near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 12:59
S17	435	S15 near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 12:59
S18	8	S16 and S17	USPAT	OR	ON	2005/03/29 13:02

S19	477	varistor near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:09
S20	803	PTC near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:02
S21	14	S19 and S20	USPAT	OR	ON	2005/03/29 13:04
S22	1	("4675644").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/29 13:04
S23	5	("2736080" | "3235939" | "4290041").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 13:05
S24	17	("4675644").URPN.	USPAT	OR	ON	2005/03/29 13:05
S25	361	overvoltage near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:09
S26	90	overcurrent near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:09
S27	8	S25 and S26	USPAT	OR	ON	2005/03/29 13:12
S28	5159	variable near2 material	USPAT	OR	ON	2005/03/29 13:12
S29	5	S28 and S2	USPAT	OR	ON	2005/03/29 13:12